# Multi Function Controller
## User's Manual

**ORIONPDP Co., Ltd.**
www.oriondisplay.net

## Customer Card

| | | | |
|---|---|---|---|
| Product | | Model | |
| Purchase Date | . . . | | |
| Name | | Phone | |
| Address | | | |

• Manufactured by Orion PDP Co., Ltd. • Customer Service : +82-2-6678-8523

**ORIONPDP Co., Ltd.**
www.oriondisplay.net

# Product & Accessary

Please check remote controller and all the accessories are included in the box

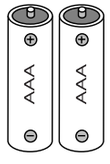
1. Remote Controller : 1EA

2. Multi Function Controller : 1EA

3. RS232 cable : 1EA

4. Manual : 1EA

5. Battery (AAA) : 2EA

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# 01. Precautions

1. Please do not use at the places of hot and humid environment.
   – It may damage the product.
2. Please do not disassemble except for authorized service people.
   – It may damage the product.
3. Please do not stack heavy objects on top of the product.
   – It may damage the product.
4. Please use soft and dry cloth to remove contamination and do not use inflammable cleaner or chemicals.
   – It may damage the surface.
5. Please be careful not to soak unknown material or liquid into the product.
   – It may damage the product.
6. Please keep away from children's reach.
   – If they drop Remote Controller, it may hurt the children or cause product malfunction.

## Notice to users

**Class A digital device**

It is a device designed for business purpose with a safety certificate for electromagnetic interference, which user should be mindful of.

## 〈 Before calling for service 〉

Before calling for any repair, check the following and then refer to the store or dealership where you purchased this product.

### 1. MF-Controller is not turned off even after MPDP power cable is disconnected.

– MF-Controller and MPDP set work with the independent power supplies.
When you need to turn on the MPDP again, please connect power cable and press "ON" button in the MF-Controller.
If you want to turn off MF-Controller, please disconnect the power cable of the MF-Controller

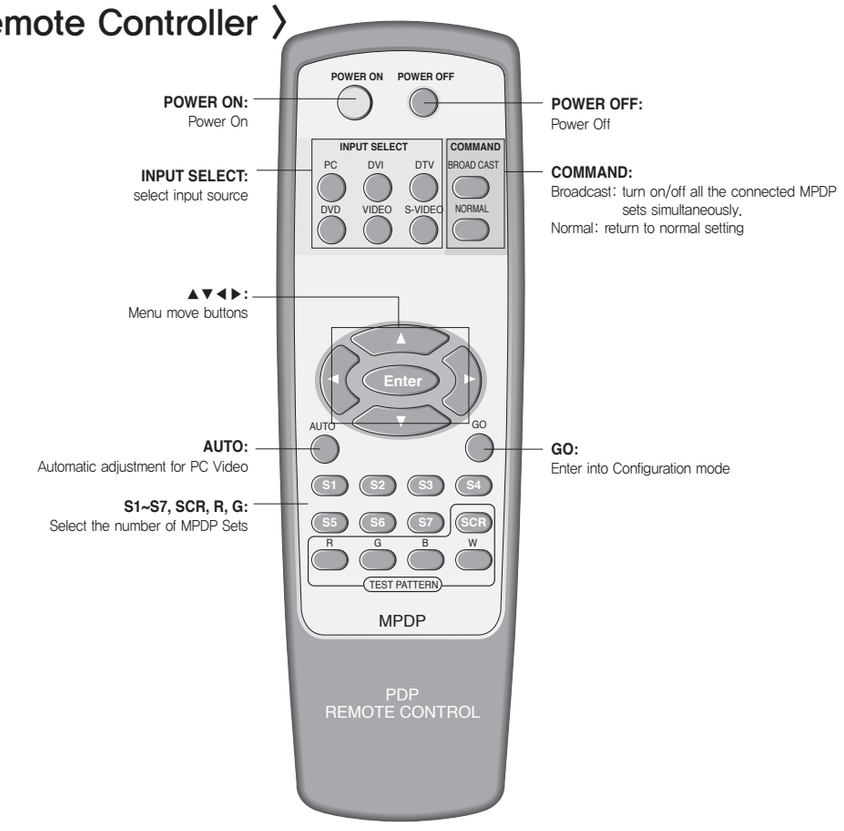
### 2. MF-Controller does not work with no reason.

– Please disconnect and reconnect the adapter.
– Please replace batteries of the remote controller.



# 02. User Guidance Information

## 〈 Remote Controller 〉




**POWER ON:** Power On

**POWER OFF:** Power Off

**INPUT SELECT:** select input source

**COMMAND:** Broadcast: turn on/off all the connected MPDP sets simultaneously. Normal: return to normal setting

**▲▼◀▶:** Menu move buttons

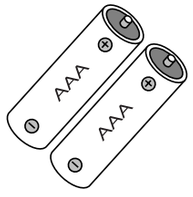
**AUTO:** Automatic adjustment for PC Video

**GO:** Enter into Configuration mode

**S1~S7, SCR, R, G:** Select the number of MPDP Sets

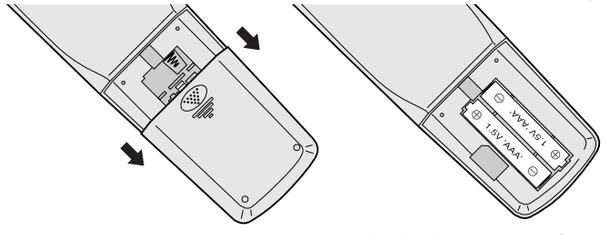
### ■ Note:

- Use two 1.5V AAA-type batteries.

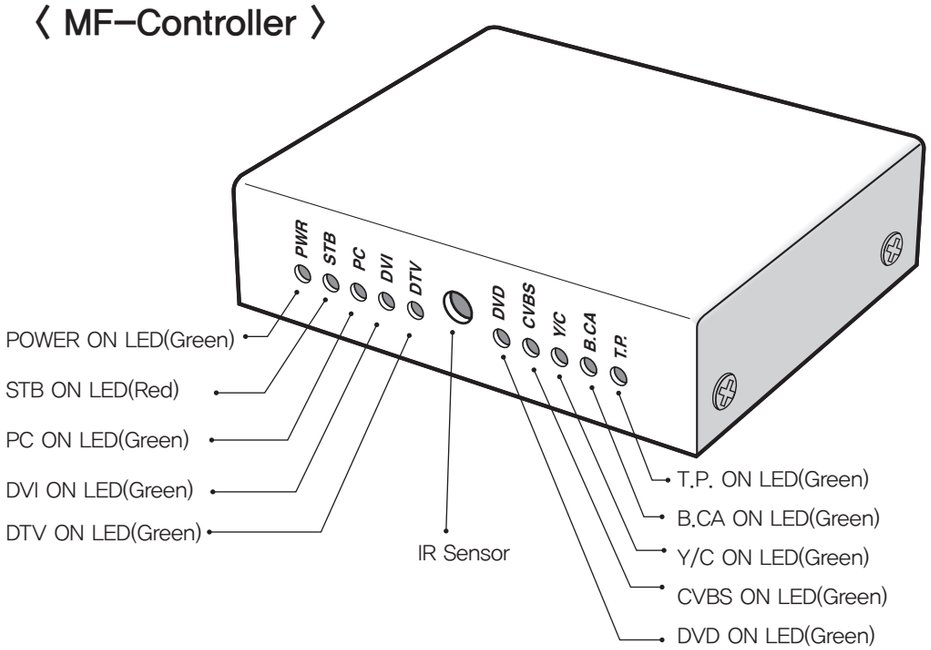


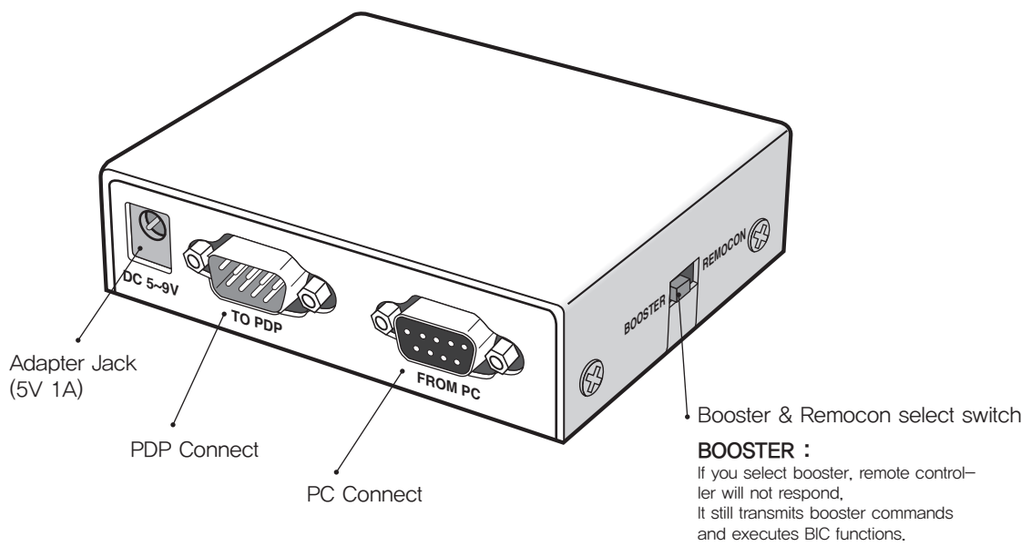

### ■ How to mount batteries

- Slide the cap at the rear side of the remote controller to open.
- Insert batteries with the correct polarity and close the cap.



〈 MF-Controller 〉




# 03. Specification

| | | |
|---|---|---|
| Remote Controller | Name | MULTI FUNCTION CONTROL |
| | Button | 29 buttons |
| | Power | 1.5V Battery (AAA) 2EA |
| MF-Controller | Voltage | +5~9V(DC) |
| | Power Consumption | 250mA(Max, +5V) |
| | Size | 77(W)x96(L)x29(H) |
| | Weight | 260g |
| | Input | IR, POWER(DC +5V~9V, 1A or higher) |
| | Output | LED, RS232 |
| Adapter | Size | 35(W) x 80(L) x 86(H) |
| | Input | 90~264V(47~63Hz) |
| | Output | 5V, 2000mA |
| | Output Jack | 2.1φ (Internal diameter):Vcc,<br>5.5φ (External diameter):GND |

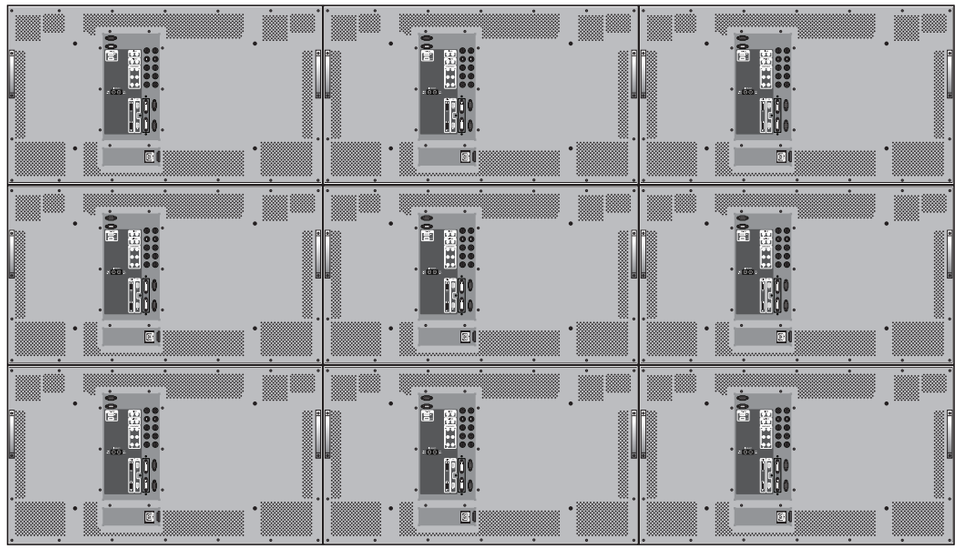
- Minimum interval between button input: 0.6 second

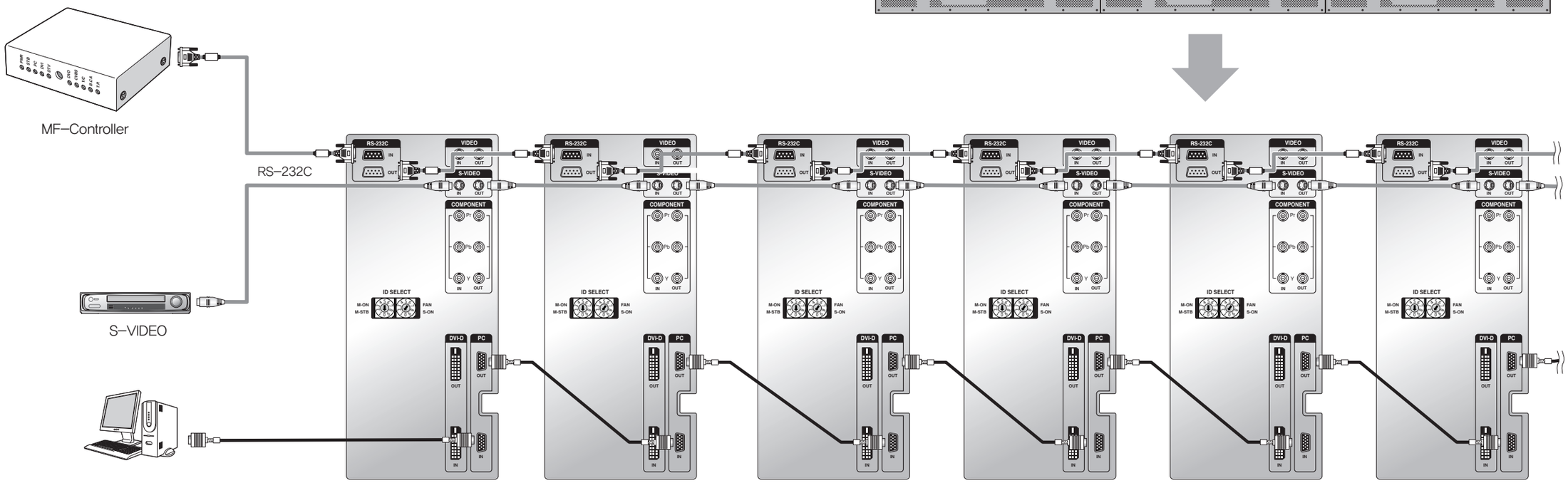
※ Specification can be changed without prior notice.

# 04. MF-Controller Installation

1. Put the slide switch on the side at "REMOCON"
2. Connect RS232 cable and power supply adapter and install the MF-Controller at the position of good reception. If it is necessary, use double sided tape.
3. Set the number of MPDP units as instructed in 〈Configuration Mode〉 in the manual. (Initial setting is 3X3)
4. The LED lamps in the MF-Controller indicate the previous or initial input source at first, please select input source once again after power supply. (Default; previous input source).

※ Please do not directly expose the MF-Controller to fluorescent lamps. It may cause malfunction.





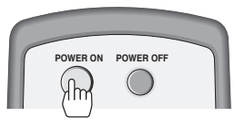
# 05. How to use Remote Controller

※ Enter, B, W buttons: No function

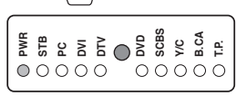
## 〈 Power ON/OFF 〉

Every command is executed on all PDP sets.

### 1. POWER ON

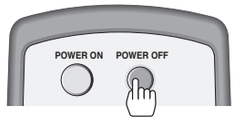



Press POWER ON button.

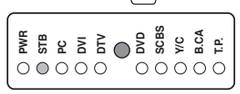



PWR LED is on.

### 2. POWER OFF




Press POWER OFF.

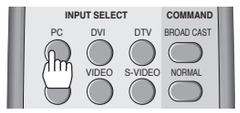



STB LED is on.

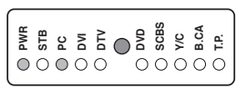
## 〈 Input Selection 〉

All inputs are executed as whole screen mode.

### 1. PC

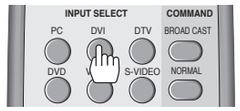



Press PC button.

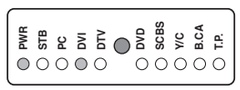



PC LED is on.

### 2. DVI

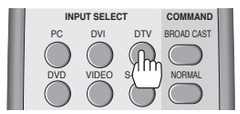



Press DVI button.

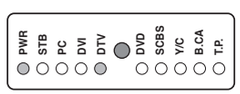



DVI LED is on.

### 3. DTV

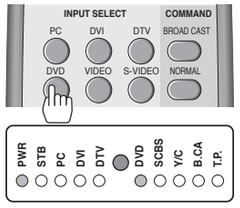



Press DTV button.




DTV LED is on.

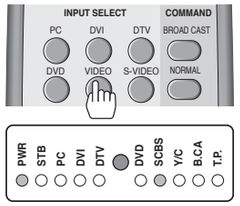
### 4. DVD




Press DVD button.

DVD LED is on.

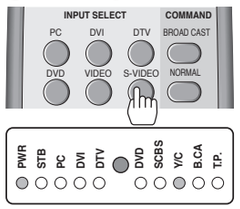
### 5. VIDEO




Press VIDEO button.

CVBS LED is on.

### 6. S-VIDEO

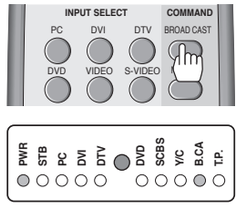



Press S-VIDEO button.

Y/C LED is on.

## 〈 Other Functions 〉

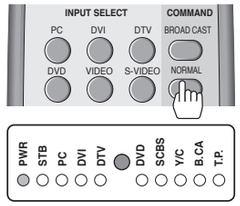
### 1. BROADCAST : Use for POWER ON/OFF or Auto Tracking




Press BROADCAST button.

B.CA LED is on.

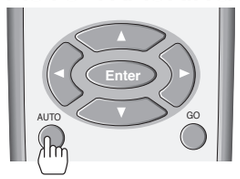
### 2. NORMAL




Press NORMAL button.

B.CA LED is off.

### 3. AUTO TRACKING : PC MODE Only

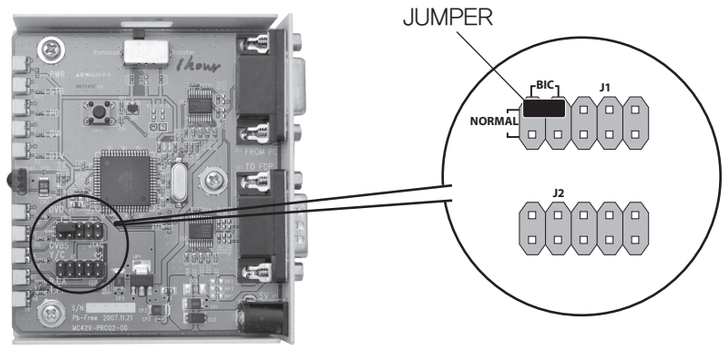



Press AUTO button.

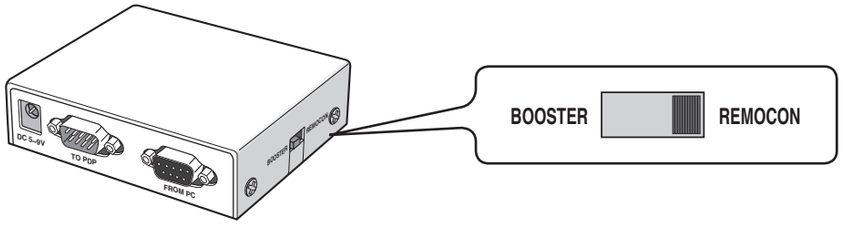
No LED changes.

## 〈 MF-Controller configuration method 〉

Insert a jumper to BIC part to configure BIC mode of MF-Controller.




1. Connect power.
2. Connect female D-sub to the Com port in a computer.
3. Connect male D-sub to the RS-232C port in MPDP.
4. Set the number of the connected MPDP units in advance. The number can be set only by the Remote controller.
5. Set the switch at REMOCON side

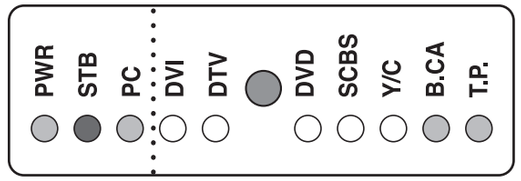



**※Note**

Select BOOSTER for a booster and BIC functions.

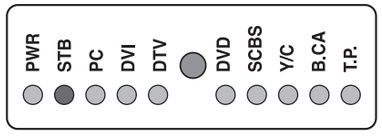
Select REMOCON for a remote controller and BIC functions.

### LED indication of MF-Controller for the numbers of MPDP units.

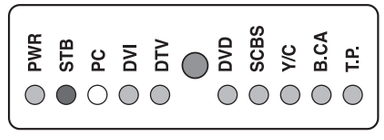



PWR, STB, and PC LEDs are turned on for horizontal configuration.
PC LED is turned off for vertical configuration.

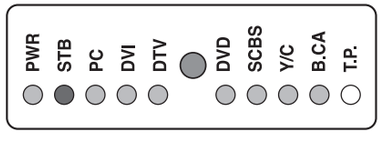
The other LEDs indicate the number of MPDP units.
The LEDs are turned on one by one from the rightmost as the number increases from 1 to 7 and turned off from the rightmost for the number 8 or higher.



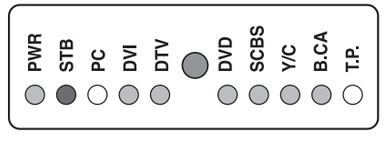

Horizontal configuration 7sets



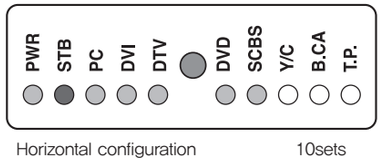

Vertical configuration 7sets



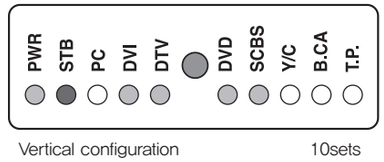

Horizontal configuration 8sets




Vertical configuration 8sets



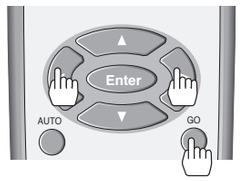

Horizontal configuration 10sets

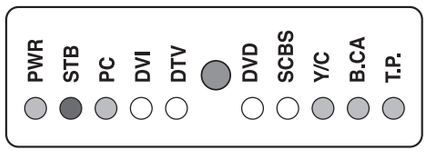



Vertical configuration 10sets

**The number of MPDP unit can be selected up to 10 units horizontally. The initial setting is 3 units. Following description shows how to configure 4 MPDP units.**

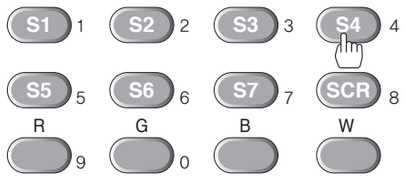
1. Start with press "GO" button.
2. Press "LEFT" and "RIGHT" buttons to begin horizontal configuration. (◄ ►)

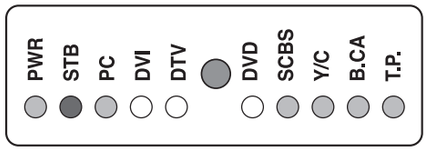



3 LEDs from the right are on, because the initial setting is 3 MPDP units.

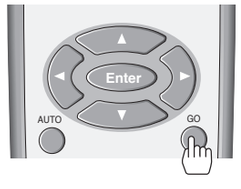
3. In case the number of horizontal MPDP units is 4, press S4 button.
   The same numbers of LEDs are turned on.

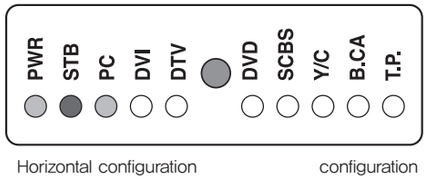



Check LED whether they are turned on as many as the selected MPDP units.
(4 LEDs from the right)

4. Press "GO" button to finish configuration mode.
   The LED will turn to previous indication after sending configuration to MPDP.



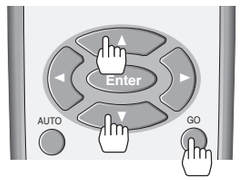



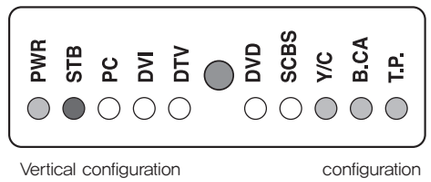

※ You can continue to vertical configuration without finish the mode.



**The number of MPDP unit can be selected up to 10 units vertically. The initial setting is 3 units. Following description shows how to configure 4 MPDP units.**

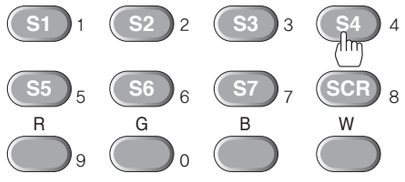
5. Start with press "GO" button.
6. Press "UP" and "DOWN" buttons to begin vertical configuration.(▲▼)

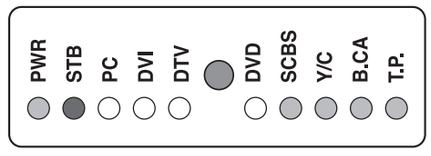



3 LEDs from the right are on, because the initial setting is 3 MPDP units.

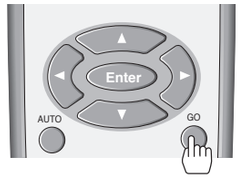
7. In case the number of horizontal MPDP units is 4, press S4 button.
   The same numbers of LEDs are turned on.

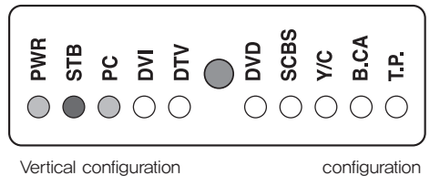



Check LED whether they are turned on as many as the selected MPDP units.
(4 LEDs from the right)

8. Press "GO" button to finish configuration mode.
   The LED will turn to previous indication after sending configuration to MPDP.




9.The rightmost LED (T.P.) is turned on when MF Controller starts BIC communication. If this LED blinks, there are some communication errors. LED is turned off after the communication.

MEMO

MEMO